Day 95

Q. Kulyash is given an integer N. His task is to break N into some number of (integer) powers of 2. To achieve this, he can perform the following operation several times (possibly, zero): Choose an integer X which he already has, and break X into 2 integer parts (Y and Z) such that X=Y+Z. Find the minimum number of operations required by Kulyash to accomplish his task.

main.py

```python
def solve(num):
    if num==1:
        return 0
    else:
        return num%2 + solve(num//2)

n = int(input())

for i in range(n):
    num = int(input())
    print(solve(num))
```

output

```
2
3
1
4
0
PS E:\Panku\Python> 
```